

FIG. 1 PRIOR ART

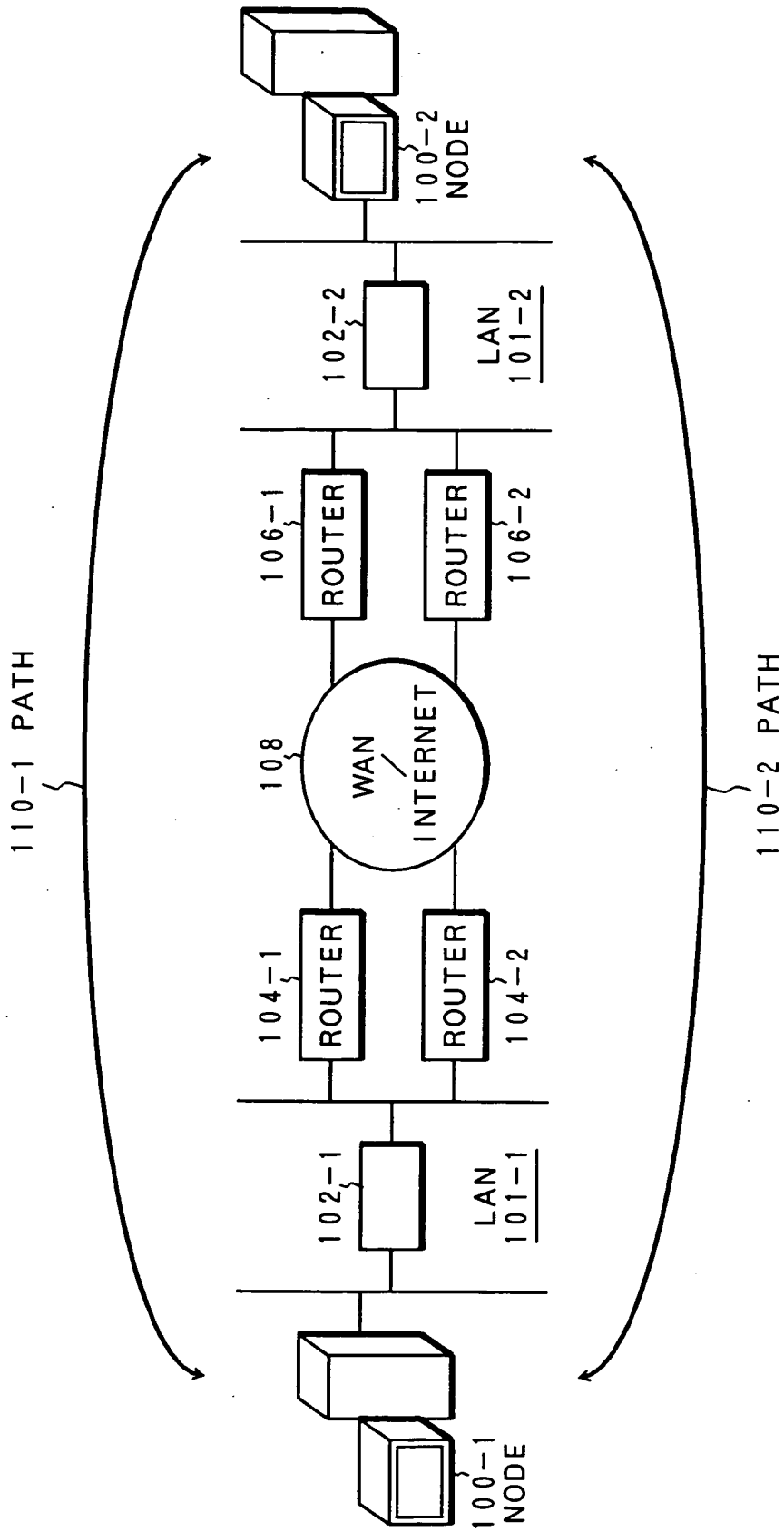


FIG. 2 PRIOR ART

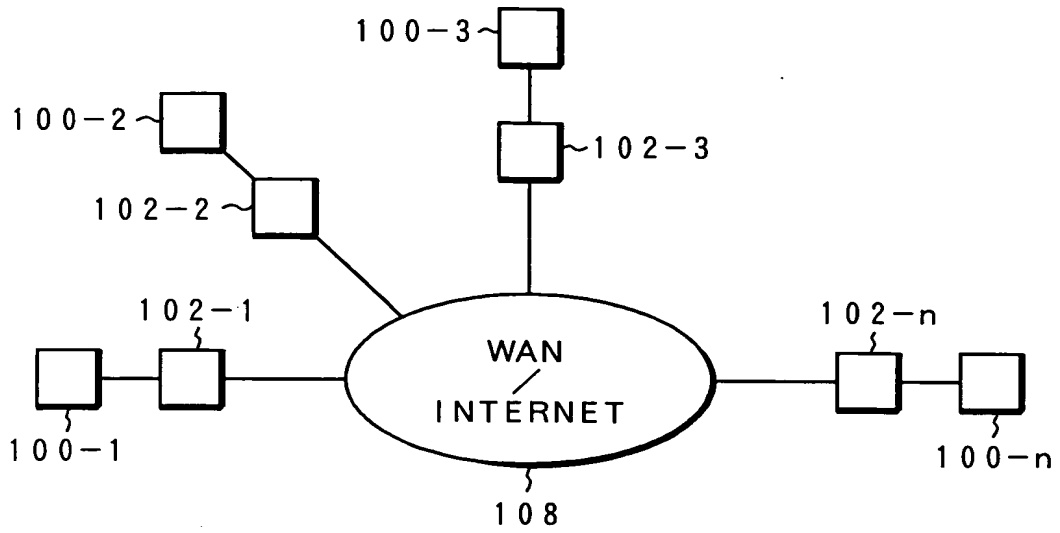


FIG. 3

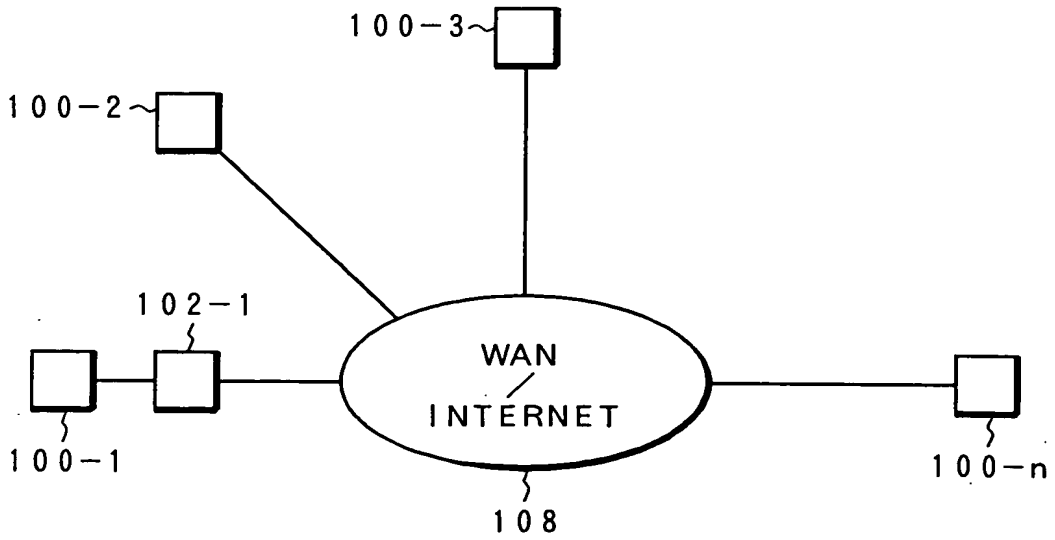


FIG. 4

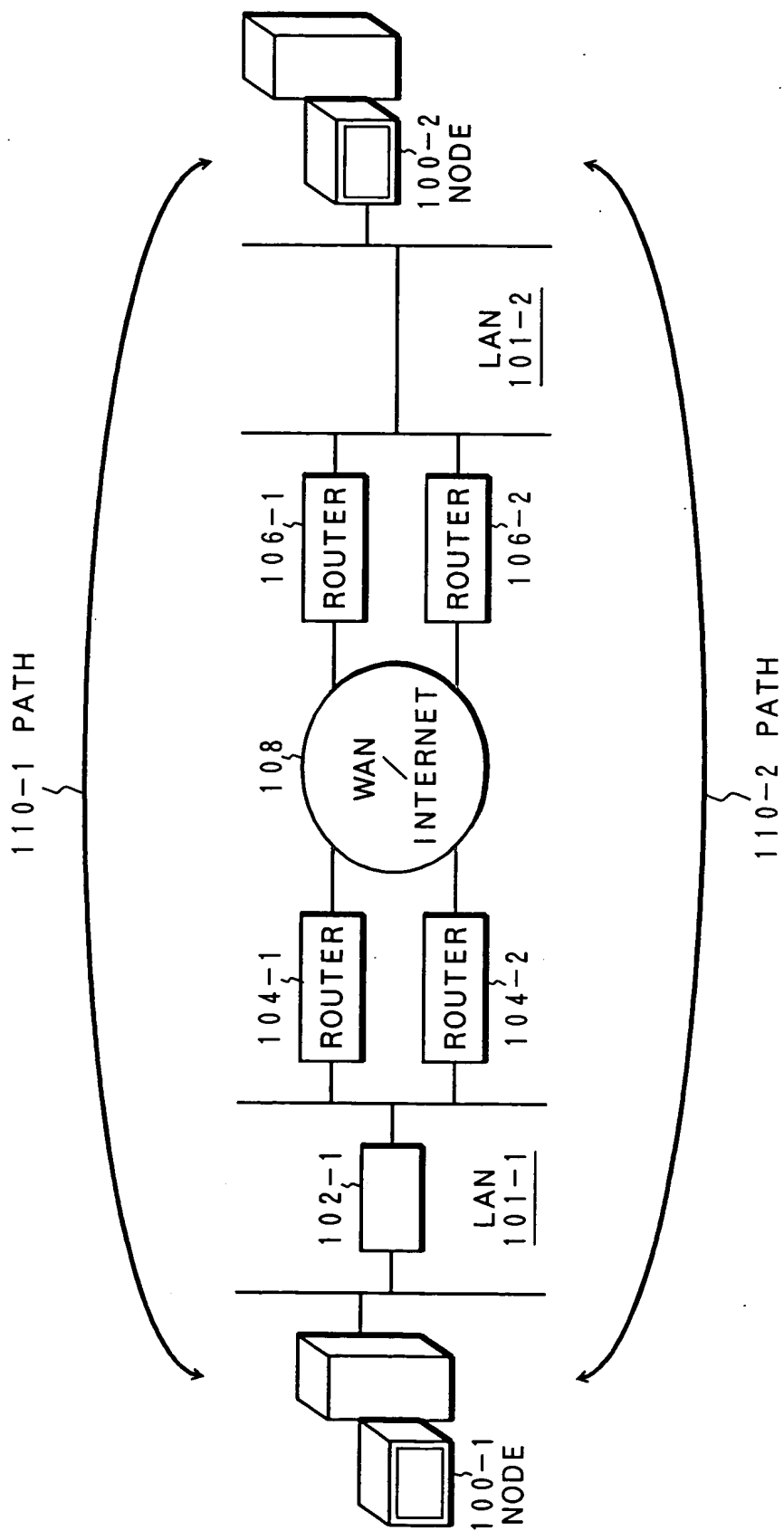
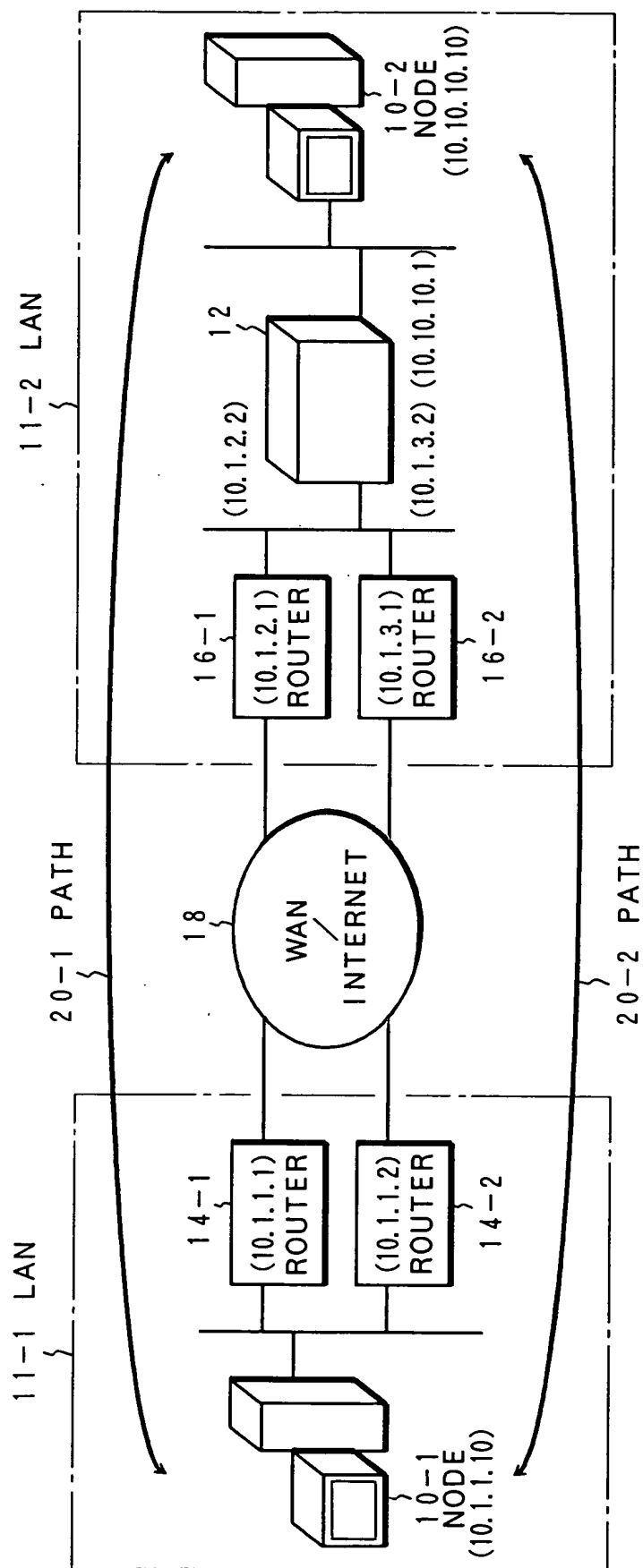


FIG. 5



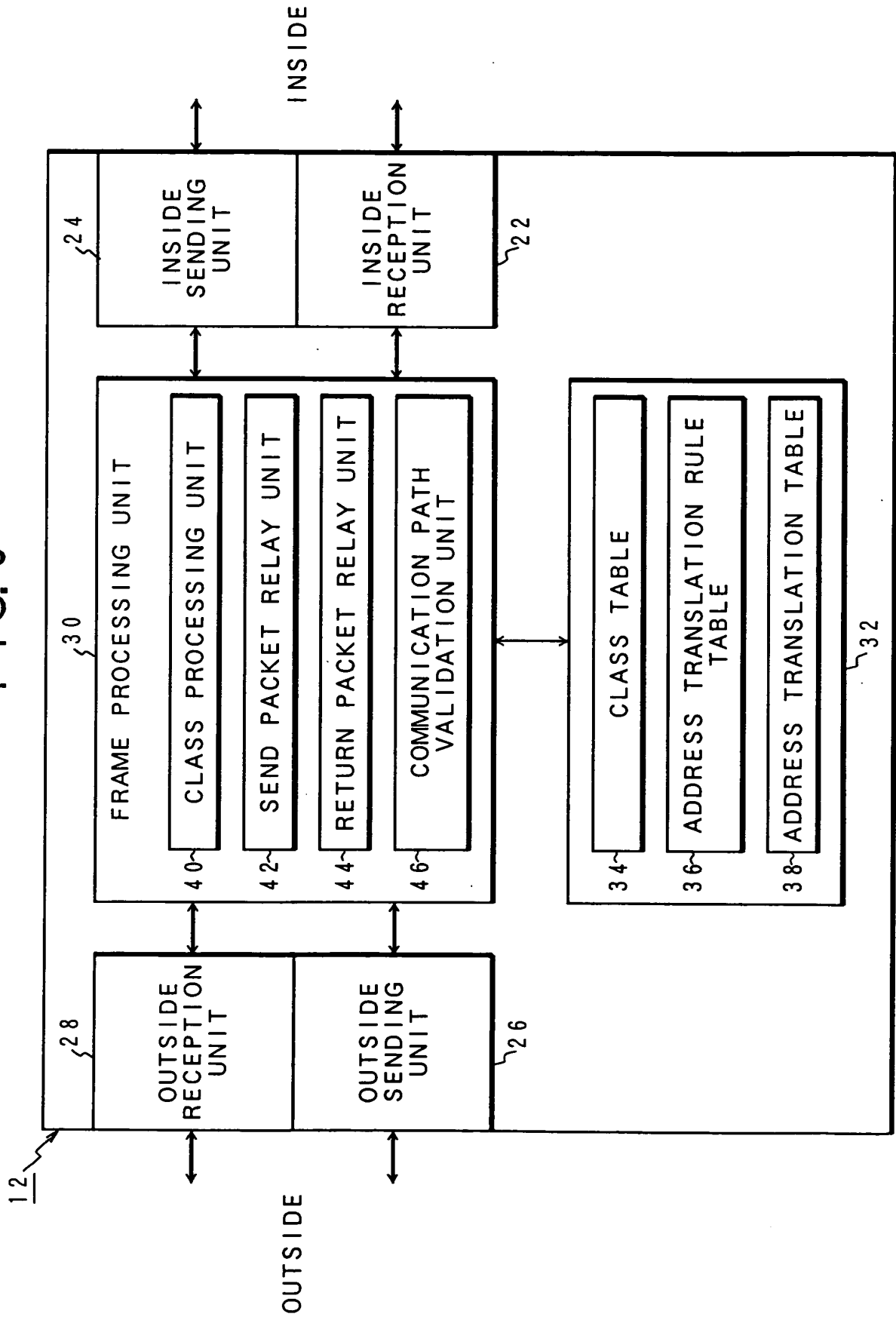


FIG. 7

34 CLASS TABLE

CLASS NAME	PROTOCOL TYPE	INSIDE		OUTSIDE		STATUS
		ADDRESS	PORT	ADDRESS	PORT	
BUSINESS	TCP	ALL	472	ALL	ALL	FAIR
DEFAULT	ALL	ALL	ALL	ALL	ALL	FAIR

FIG. 8

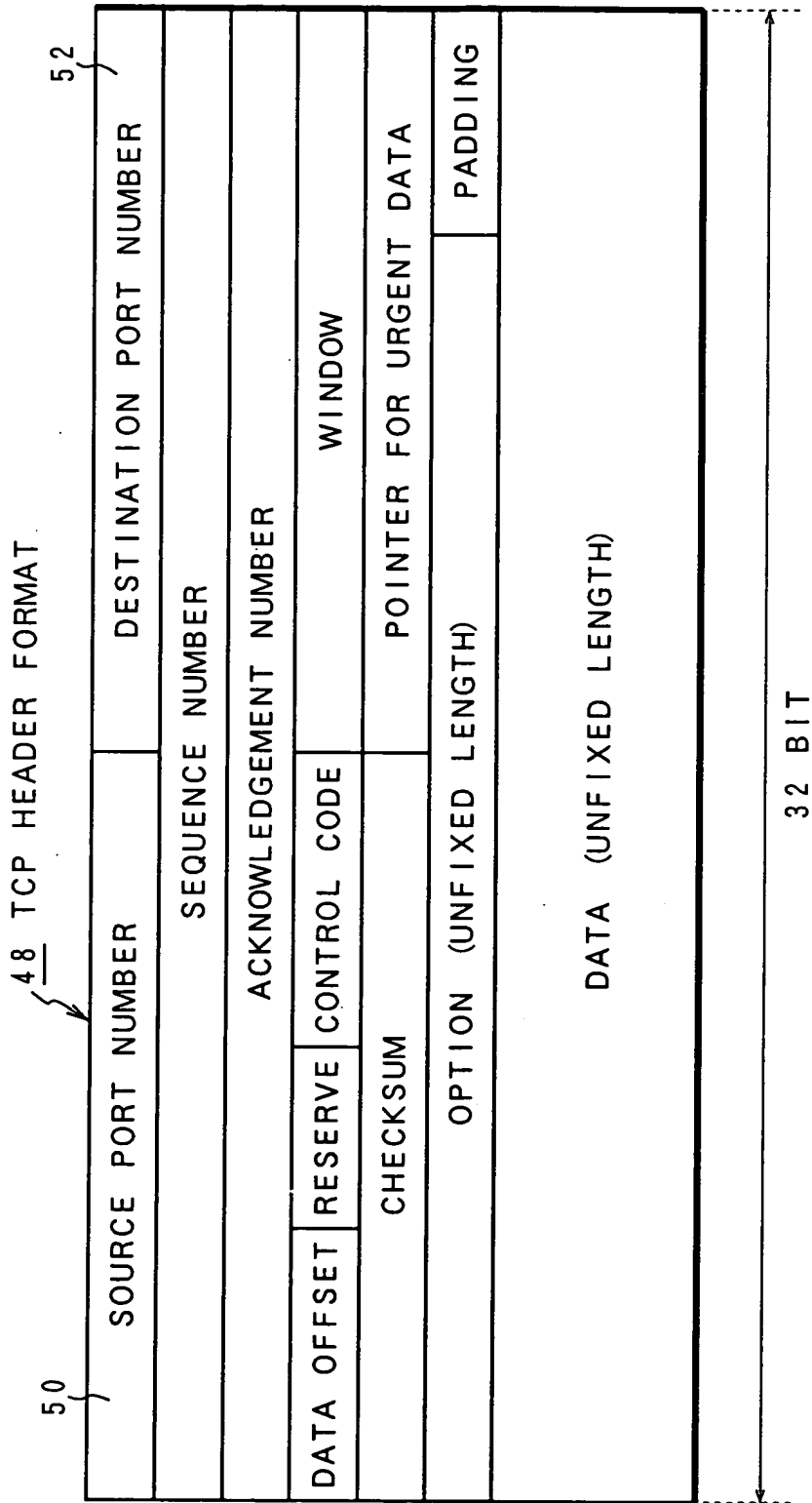


FIG. 9

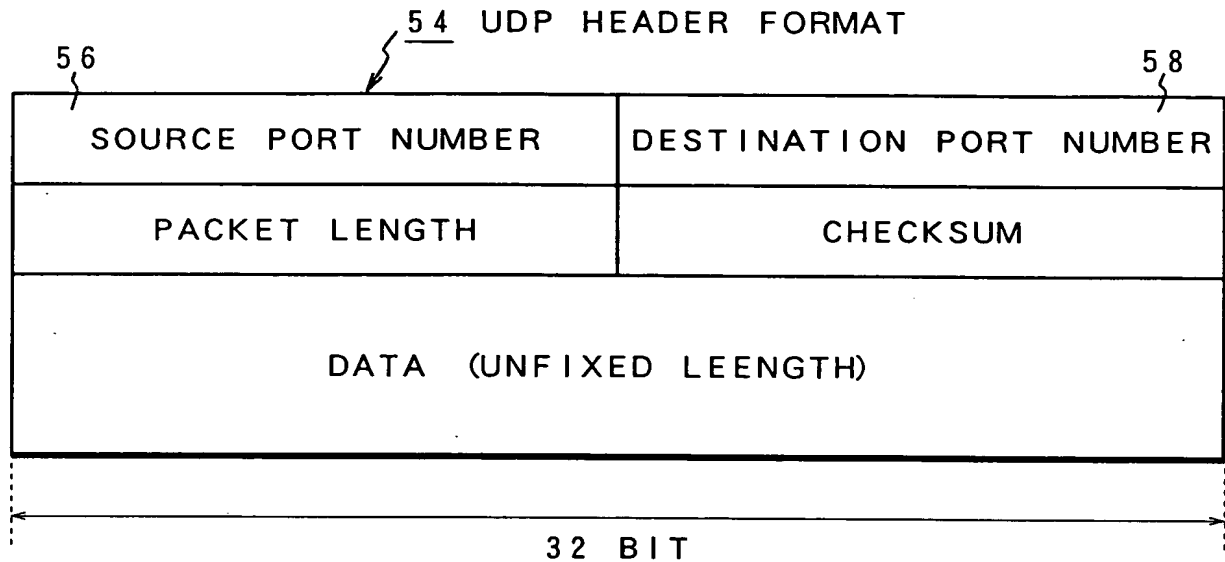


FIG. 10

36 ADDRESS TRANSLATION
 RULE TABLE

CLASS NAME	ADDRESS TRANSLATION	GATEWAY
BUSINESS	10. 1. 2. 0	10. 1. 2. 1
DEFAULT	10. 1. 3. 0	10. 1. 3. 1

FIG.11

38 ADDRESS TRANSLATION TABLE

PROTOCOL TYPE	PRE-TRANSLATION		POST-TRANSLATION	
	ADDRESS	PORT	ADDRESS	PORT
TCP	10. 10. 10. 10	5000	10. 1. 2. 10	2000
UDP	10. 10. 10. 11	6000	10. 1. 3. 11	2001
.....

FIG. 12

ADDRESS CONFIGURATION

INTERFACE	ADDRESS	NETWORK MASK
NODE 10-1	10. 1. 1. 10	255. 255. 255. 0
ROUTER 14-1 (LAN SIDE)	10. 1. 1. 1	255. 255. 255. 0
ROUTER 14-2 (LAN SIDE)	10. 1. 1. 2	255. 255. 255. 0
ROUTER 16-1 (LAN SIDE)	10. 1. 2. 1	255. 255. 255. 0
ROUTER 16-2 (LAN SIDE)	10. 1. 3. 1	255. 255. 255. 0
APPARATUS 12 (OUTSIDE)	10. 1. 2. 2	255. 255. 255. 0
APPARATUS 12 (OUTSIDE)	10. 1. 3. 2	255. 255. 255. 0
APPARATUS 12 (INSIDE)	10. 10. 10. 1	255. 255. 255. 0
NODE 10-2	10. 10. 10. 10	255. 255. 255. 0

○ ROUTER SIDE INTERFACE OF APPARATUS 12 IS NAMED OUTSIDE
AND NODE 10-2 SIDE INTERFACE THEREOF IS NAMED INSIDE.

FIG. 13A

ROUTER 14-1 ROUTING TABLE

DESTINATION SUBNETWORK	MASK	GATEWAY
10. 1. 1. 0	255. 255. 255. 0	DIRECT (DIRECT CONNECTION)
10. 1. 2. 0	255. 255. 255. 0	ROUTER 16-1

FIG. 13B

ROUTER 14-2 ROUTING TABLE

DESTINATION SUBNETWORK	MASK	GATEWAY
10. 1. 1. 0	255. 255. 255. 0	DIRECT (DIRECT CONNECTION)
10. 1. 3. 0	255. 255. 255. 0	ROUTER 16-2

FIG. 13C

ROUTER 16-1 ROUTING TABLE

DESTINATION SUBNETWORK	MASK	GATEWAY
10. 1. 2. 0	255. 255. 255. 0	DIRECT (DIRECT CONNECTION)
10. 1. 1. 0	255. 255. 255. 0	ROUTER 14-1

FIG. 13D

ROUTER 16-2 ROUTING TABLE

DESTINATION SUBNETWORK	MASK	GATEWAY
10. 1. 3. 0	255. 255. 255. 0	DIRECT (DIRECT CONNECTION)
10. 1. 1. 0	255. 255. 255. 0	ROUTER 14-2

FIG. 13E

NODE 10-1 ROUTING TABLE

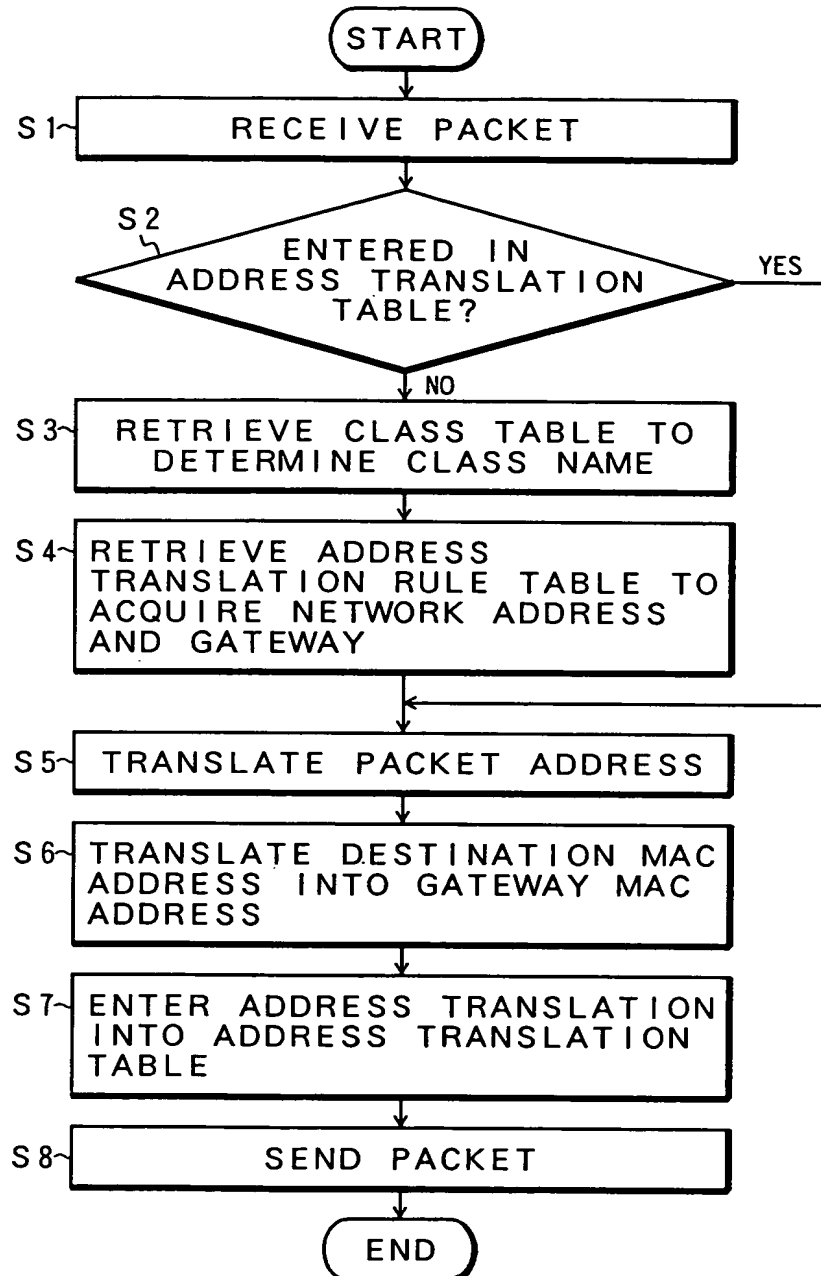
DESTINATION SUBNETWORK	MASK	GATEWAY
10. 1. 1. 0	255. 255. 255. 0	DIRECT (DIRECT CONNECTION)
10. 1. 2. 0	255. 255. 255. 0	10. 1. 1. 1 (ROUTER 14-1)
10. 1. 3. 0	255. 255. 255. 0	10. 1. 1. 2 (ROUTER 14-2)

FIG. 13F

NODE 10-2 ROUTING TABLE

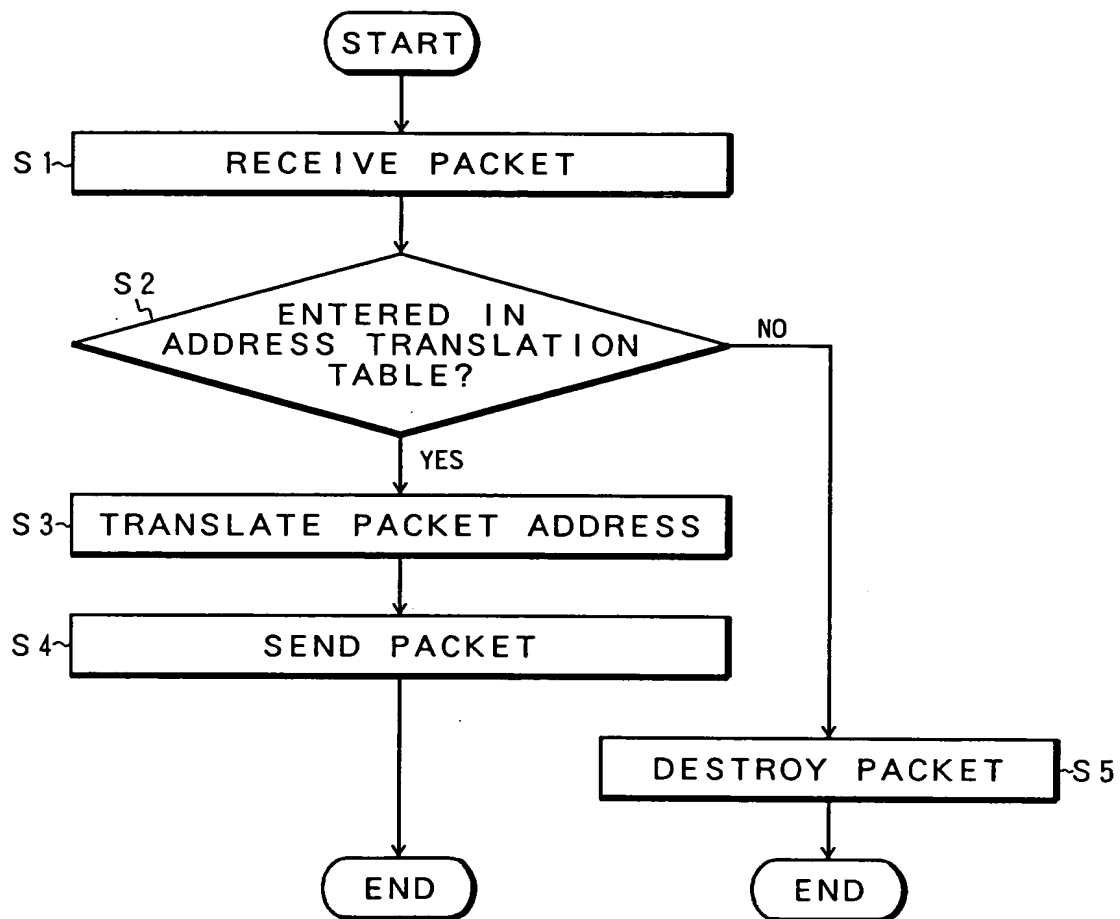
DESTINATION SUBNETWORK	MASK	GATEWAY
10. 10. 10. 0	255. 255. 255. 0	DIRECT (DIRECT CONNECTION)
0. 0. 0. 0 (DEFAULT)	0. 0. 0. 0	10. 10. 10. 1 (APPARATUS 12)

FIG. 14



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FIG. 15



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FIG. 16

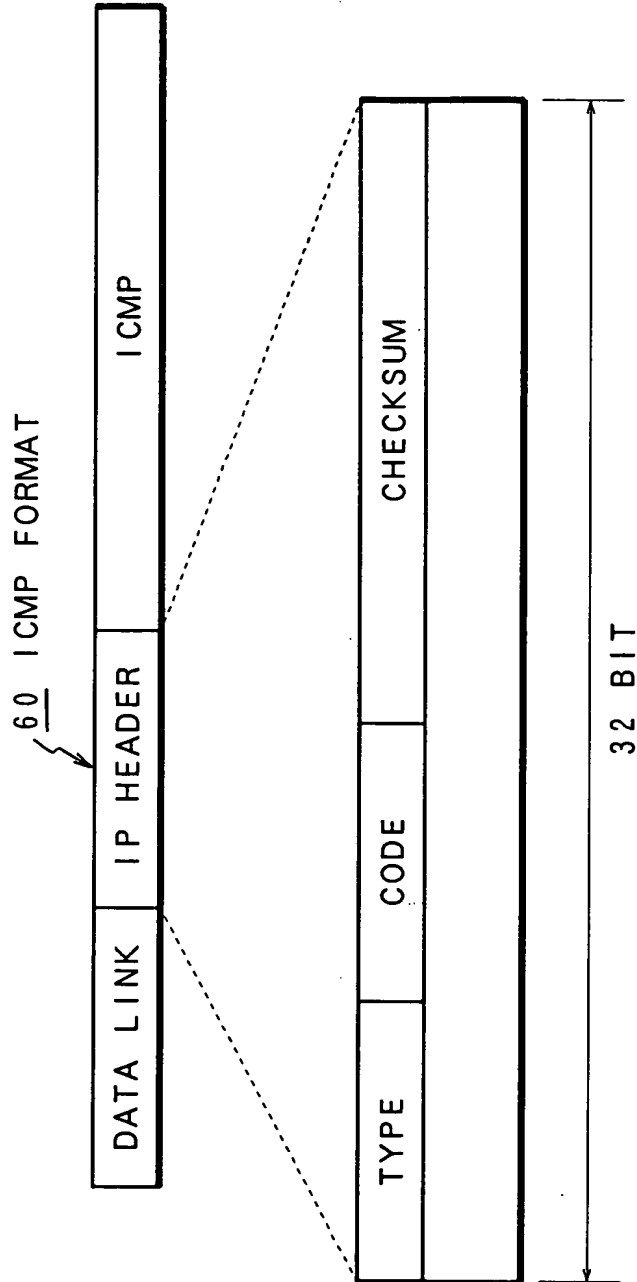


FIG. 17

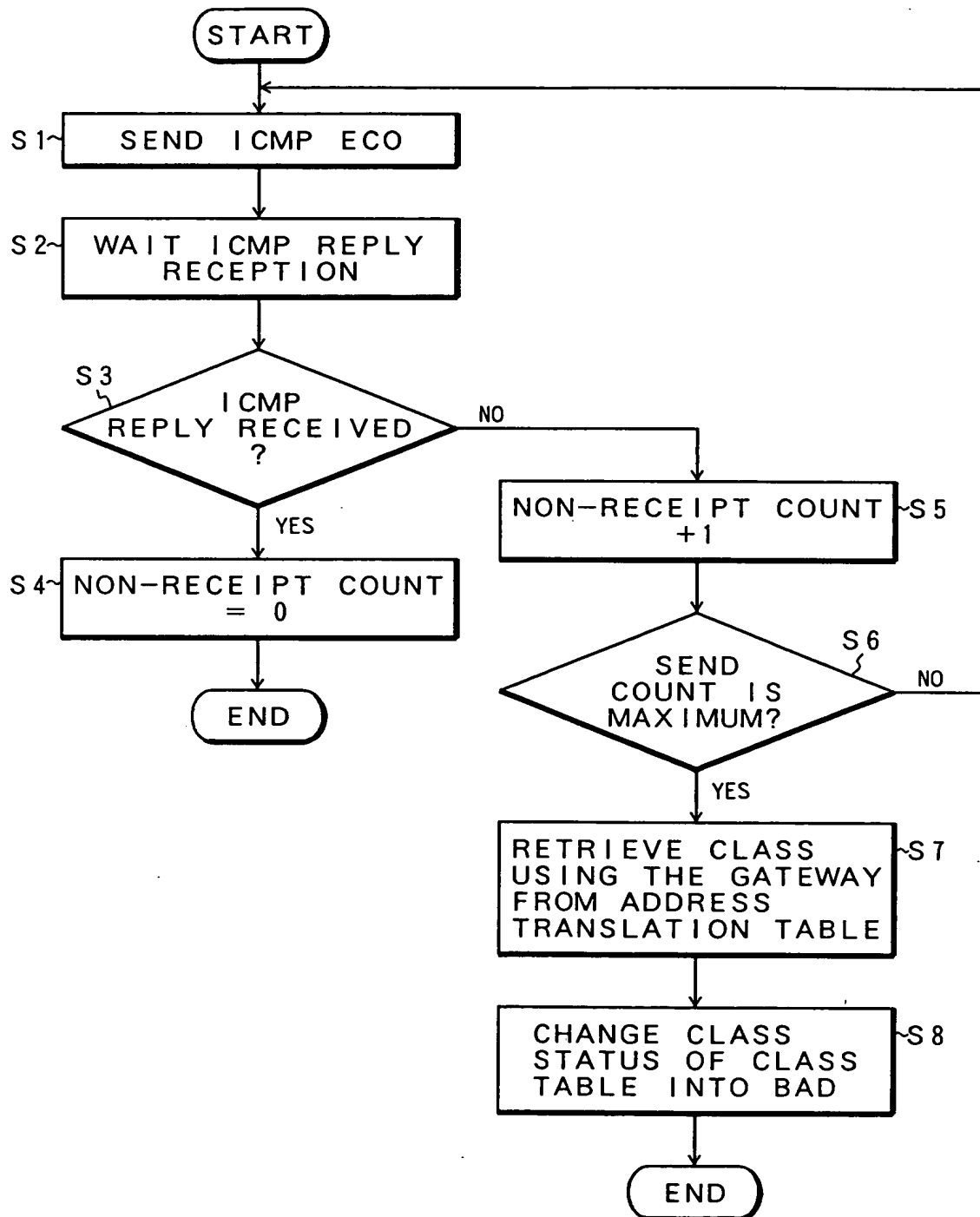


FIG. 18

